NOTES

A NOMENCLATURAL NOTE ON EUPATORIUM FISTULOSUM (ASTERACEAE)¹ — Eupatorium fistulosum Barratt ranges from "s Me to Iowa, s to c Fla, Ala, Miss, La, and Tex" (Cronquist 1980). Barratt (1841) separated E. fistulosum from E. purpureum L. He described the former species and few other eupatoriums with whorled leaves in a single folio page publication (fig. 1), titled Eupatoria verticillata. Robinson (1904), probably unaware of Barratt's Eupatorium fistulosum, described a new Eupatorium species from Costa Rica, as E. fistulosum. Robinson's E. fistulosum is a later homonym and illegitimate, which was corrected by B. Robinson (1931) by renaming his Costa Rican Eupatorium sp., as E. angulare B. Robins. King and H. Robinson (1970) treated E. angulare as a synonym of Neomirandea angularis (B. Robins.) King & H. Robins.

Barratt intended to distribute his single folio page publication accompanied with a set of exsiccatae among his friends and botanists. This information is found in figure 1. It is evident from ICBN article 31 (Greuter 1988), that the above procedure, practiced by Barratt in this case, would validate a name if done prior to Jan 1953. We believe that Barratt did distribute his single folio page publication to other botanists. Wood (1847) stated that his treatment of Eupatorium was adopted from Barratt's Eupatoria verticillata. Jackson (1881) and B. Robinson (1931) cited Barratt's 1841 publication.

The name *E. fistulosum* was attributed to Barratt by several authors such as Mackenzie (1920), Weatherby (1921), Wiegand and Weatherby (1937), Deam (1940), Fernald (1950), Gleason and Cronquist (1963), Steyermark (1963), Radford et al. (1968), King and Robinson [1970; as *Eupatoriadelphus fistulosus* (Barratt) King & H. Robins.], Correll and Johnston (1970), Strausbaugh and Core (1978), Cronquist (1980), Wunderlin (1982; in *Eupatoriadelphus*), and Kartesz (1990). However, Jones and Fuller (1955) attributed the name *E. fistulosum* to Barrett ex Wood, and Soil Conservation Service (1982) attributed the name to Barratt ex Hooker (in *Eupatoriadelphus*). We could not locate any Hooker publication of this name. Since Barratt published this name in 1841, Hooker's usage of this name, if any, cannot be prior to 1841 (hence not in his Fl. Bor. Amer., vol. 2. 1840). Weatherby (1921) mentioned that Hooker, for his Fl. Bor. Amer. publication, invited Barratt to contribute the treatment of

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EUPATORIA VERTICILLATA.

SPECIMENS TO ILLUSTRATE THE NORTH AMERICAN VERTICILLATE SPECIES AND VARIETIES

E. 2'86

GENUS EUPATORIUM:

With Synonymes and References.

By JOSEPH BARRATT, M. D.

MIDDLETOWN, CONNECTICUT

May. 1841.

*. A number of uniform sets of Specimens have been preserved for distribution among Botanical friends and correspondents,

No. 1. Eupatorium sistulogum. Barratt; = E. purpureum Willd. pp. pl. 3, p. 1759; (partly; excl. ref. et Syn. except Cornuti (q. v.) Pursh, ft. 2, p 515; Ell. ft. 2, p. 307 !; Bigelow, ft. 2d Ed, p. 2971; Decand. Proof. 5, p. 151, n. 8, p. 107; j. ngelowiji, za Za.p. 2071; Decand. Proof. 5, p. 151, n. 86 (in part); = E. maculutum. Linn sp. pl. 1174, (in part,) et Herb. fide Dr. Gray. = E. purpuroum y angustifolium. Torr. 4 Gray Flor. 2, p. 82. (Eupatoria) foliis Enulæ, Cornuti Canad. p. 191. "Caules rubescen

tes cinereo tamen colore suffusi rotundi inanes intus." Cornuti. (12.) The specific character given by Wildenov of E. purpureum, applies to our E. facelosom. The Gil description there taken from L. a.p. $\beta = 17 \, \mathrm{m} = \mathrm{E}$ verticities on V is what Wildenson, has her confounded, then Alfrenov eq. $v = 7.7 \, \mathrm{m} = \mathrm{m}$ of their descriptions of descriptions of the study they are in the general state, we want table to static the synapsyme state(courty, $\beta = 1.0 \, \mathrm{m}$), $\beta = 1.0 \, \mathrm{m}$ or $\beta = 1.0 \, \mathrm{m}$

when the symptom uniformery, the based is full referred accounter. More bother than the same better that if their transfer bidder properties and the same transfer and their transfer and their properties and their proper

1 EUPATORIUM FISTULOSUM.* Barratt A small variety

 Euratorium maculatum Linn. Aman. Ac. 4, p. 288; Linn. sp. pl. 1174; Willd. sp. pl. 3 1760; Michauz Flor. 2, p. 99; Pursh ft. 2, p. 515; Decand. Prodr. 5, p. 152, n. 69. Seen 5 fee high, solid stress hapid or pulcacent, precess and purple, with noncross glands and purple lines. The glands on the stem and leaves give out an acred offercam in howevering think. There are several varieties in the number of an above.

2. EUPATORIUM MACULATUM L.

With 4 leaves in u whorl.

2. EUPATORIUM MACULATUM L With 3 leaves in a whorl.

2. EUPATORIUM MACULATUM.

Vor. & urticifolium . Barratt.

Reight 4-3 feet, atem solid, alender; the leaves are thin and struch longer than the usual form of E. macrolatum. It is found in the Middlesonn messions, man the banks of the Cronection; and in this river we are perhaps indebted for many of our Empateriums, and other interactive plant.

3. EUPATORIUM PURPUNKUM Linn sp. pl. 1173, et Herb. ejunf; (spec. char. bad, excl. syn.;) not E. purpureum of Decandelle, Willdenow or Pursh. — E verticillatum, Willd. sp. pl 3 1/60, (et Herb. fol. 1 and 21) fide Gray; Bigelow A 2d ed. p. 298, exol. Syn Michx 2, p. 99.

Bern wich, if of in help, plateous green, sometimes purplish, with a purple band, at the plateous green in which of 3, 4 and 5 -monoth above, while a new plateous better than the plateous better than the plateous better than the plateous better than the control of term a quality, a factor way, while they menture. The letter are this, cold, and of greater are then only species of Exposuration from to the "Desire are this, cold, and of greater are then only species of Exposuration from to the "Desire are this, cold, and of greater are the not species and the species and the present Desires to the second up 1 and the species, and these green Desires, (i.e. a), the manual up 1 and the green Desires, (i.e. a), the manual up 1

3. EUPATORIUM FURFUREUM Var. B sibum . Borratt.

Floorers shift white; with S leaves in a wheel, large and distant. Grows in dry woods, and hall soles in 10 ky places. Seen solet,

3. Expatorium purpureum. Vor B album* Barratt.

With I fearer in a whist—a tell variety, upper leaves sub-falente—flowers dail white an E falcottee Mich? Grown in dry weeds. Seen what,

3 EUPATORIUM PURFUREUM Var β album* Barratt.

With 3 leaves in a whorl; stem tall and slender, upper leaves enbfolcate, Elliott Flor. 2, p 307; note | sub E. ternifolium, the last 4 lines! - E. trifoliatum. Darlington Flor. Contrica 2d ed. p. 4531

Stem with, rarishe in size, severy with a self-galacterist learnth, deeply service, beared with co-structure find corpie. An amount is the conster at leaves of the Verigilian Depositor in their time of the Verigilian Depositor in their time of the Carterior. In the left a label rectangle not require even, and has occasioned much perplexity and conference in systematic works, which requires to be clear-object.

4. EUPATORIUM TERRIPOLIUM Elliott Flor. 2, p. 306 ! (in part.) Decandolle Prodr 5, p. 151, n. 67. Stean while, somewhat hoped and glandshir; greenists, with purple done and lines. Regulation 3-2 fort, a rather should review the upper and hat which of leaves small and forty secrete. There is a small and it has more than the leaves in a what.

4 EUPATORIUM TERNIFOLIUM

Var, β. vesiculosum.* Barratt.

Height 2-2 feet atten skalt, string perpikt; in merkur und pasture skunder!—Stad Hill were part of Middenova. This landsoom stratey bears a prefusion of graph from \$1.00, \$1.00 to \$1.

FIG. 1. Barratt's 1841 publication, titled Eupatoria verticillata.

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the genus Salix. Although Barratt declined this offer, he did provide Hooker a synopsis of this genus. Based on Barratt's synopsis, Hooker described two sections and few taxa in Salix, and attributed the new names to Barratt, but the correct authority for these Salix taxa is Barratt ex Hook (cf. Weatherby; Argus 1986). Probably this situation might have led a few taxonomists to believe that the correct authority for Eupatorium fistulosum is Barratt ex Hook. We speculate that taxonomists who attributed the name Eupatorium fistulosum either to Barratt ex Hook. or to Barratt ex Wood, might not have seen Barratt's single folio page publication or might have considered that publication as ineffective.

From Barratt's single folio page publication, it is evident that he validly described a new species, and from Wood (1847), Jackson (1881), and B. Robinson's (1931) references, we believe that Barratt's name was effectively published. Hence, the correct authority for Eupatorium fistulosum is Barratt. The authors thank Hunt Botanical Institute Library, Barney Lipscomb (Editor, Sida), Hollis G. Bedell (The Botany Libraries, Harvard University) for providing relevant literature for this study; and Larry E. Brown (Houston Community College), William R. Anderson (University of Michigan Hebarium) and Martin Check (Royal Botanic Gardens, Kew) for helpful suggestions. — Kancheepuram N. Gandhi, Dept. of Biology, University of North Carolina, Chapel Hill, NC 27599-3280 and Paul A. Fryxell, U. S. D. A. Research Botanist in colloboration with Texas A&M University, College Station. TX 77843.

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CORRECT NAMES FOR THE VARIETIES OF CAREX ALBICANS/
C. EMMONSII — Rettig (Sida 13:449-452. 1989) reduced Carex
artitecta Mackenzie and C.physorhyncha Steudel to varieties of C. emmonsii
Dewey ex Torrey. In doing so, I stated that the oldest specific epithet, C.
albicans Willd. ex. Sprengel, should not be used under article 69.1 of the
ICBN (Greuter et al., eds. International Code of Botanical Nomenclature.
1988). It has been pointed out, however, that the name may not have been
used "widely and persistently" enough to warrant rejection. Regardless,
unless a formal proposal to reject the name C. albicans is approved by the
Committee for Spermatophyta and the Botanical Congress, the correct
names for the three varieties are: